

Revised



IDAHO OIL AND GAS CONSERVATION COMMISSION

Application For Permit to Drill, Deepen or Plug Back

APPLICATION TO: Drill ☒ Deepen ☐ Plug Back ☐

NAME OF COMPANY OR OPERATOR: Bridge Energy, Inc. Date: 6/14/2010

Address: 1580 Lincoln Street, Suite 1110

City: Denver State: CO Zip Code: 80203 Telephone: (303) 831-9022

Distance, in miles, and direction from nearest town or post office: Approximately 2.39 mile nothwest of New Plymouth, ID

DESCRIPTION OF WELL AND LEASE

Name of Lease: Kniefel Well Number: #1-29 Elevation (ground) 2195

Well Location: Section: 29 Township: 8N Range: 4W (or block and survey)

(give footage from section lines): 1786' FNL 155' FWL (NW 1/4 NW 1/4)

Field and Reservoir (if wildcat, so state): Hamilton County: Payette

Nearest distance from proposed location to property or lease line: 155 feet

Distance from proposed location to nearest drilling, completed or applied for on the same lease: n/a (13,547 different lease) feet

Proposed depth: 7,000 ft Rotary or cable tools: Rotary

Approx date work will start: October, 2010 Number of acres in lease: 158.8 acres

Number of wells on lease, including this well, completed in or drilling to this reservoir: n/a

If lease purchased with one or more wells drilled, complete the following information:

Purchased from (name) _____

Address of above _____

Status of bond _____

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) Survey plats and drilling prognosis are attached.

Fee Lease

CERTIFICATE: I, the undersigned, state that I am the Consultant of Bridge Energy, Inc. (company) and that I am authorized by said company to make this application and that this application was prepared under my supervision and direction and that the facts stated herein are true, correct and complete to the best of my knowledge.

Date: 8/13/10 Signature: Ryan W. Morgan

Permit Number: _____ Approval Date: _____ Approved by: _____

NOTICE: Before sending in this form, be sure that you have given all information requested. See instructions on back.

RECEIVED

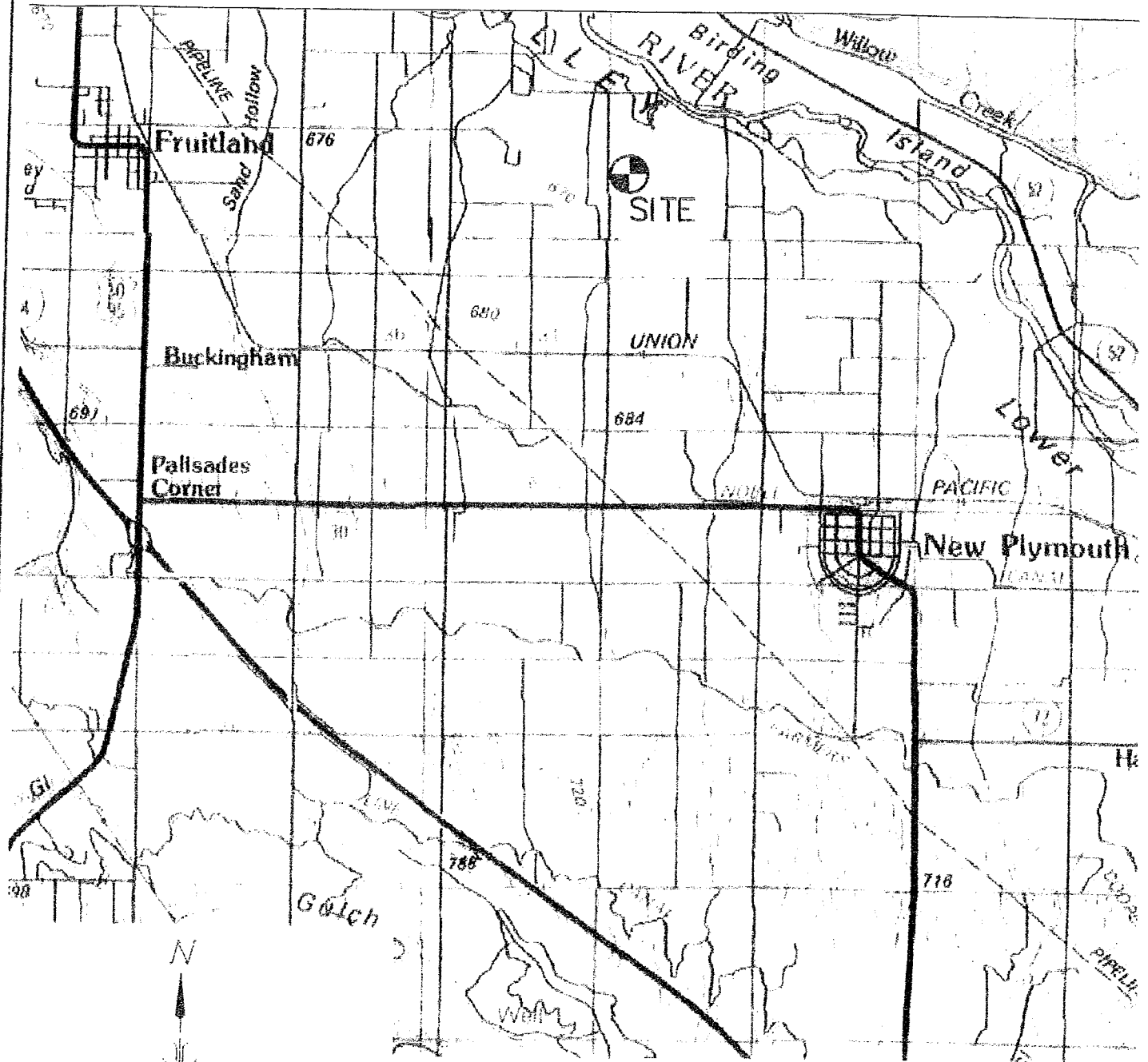
AUG 30 2010

SOUTHWESTERN IDAHO AREA
DEPARTMENT OF LANDS

FORM P-1
Authorized by Order No. 2
Rev. 08/14/07

VICINITY MAP OF KNIEFEL 1-29 SITE

Lying in a Portion of the SW1/4 of the NW1/4 of
Section 29, Township 8 North, Range 4 West of the
Boise Meridian, Payette County, Idaho
2010



DATE: July 26, 2010

FILE: 0534-01-05 VICINITY.dwg

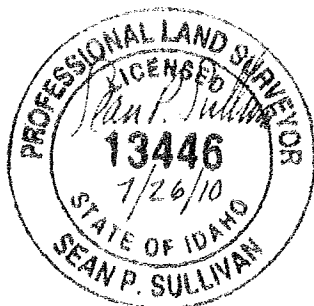


Surveyors • Planners
1103 West Main Street
Middleton, Idaho
208-585-5858

SCALE: 1" = 1 MILE

Lying in a Portion of the SW1/4 of the NW1/4 of
Section 29, Township 8 North, Range 4 West of the
Boise Meridian, Payette County, Idaho

IDAHO WEST NAD 83 GRID BEARINGS
N 44°00'21.215"
W 116°51'06.681"
NAD 88 DATUM
EL = 2195.4'



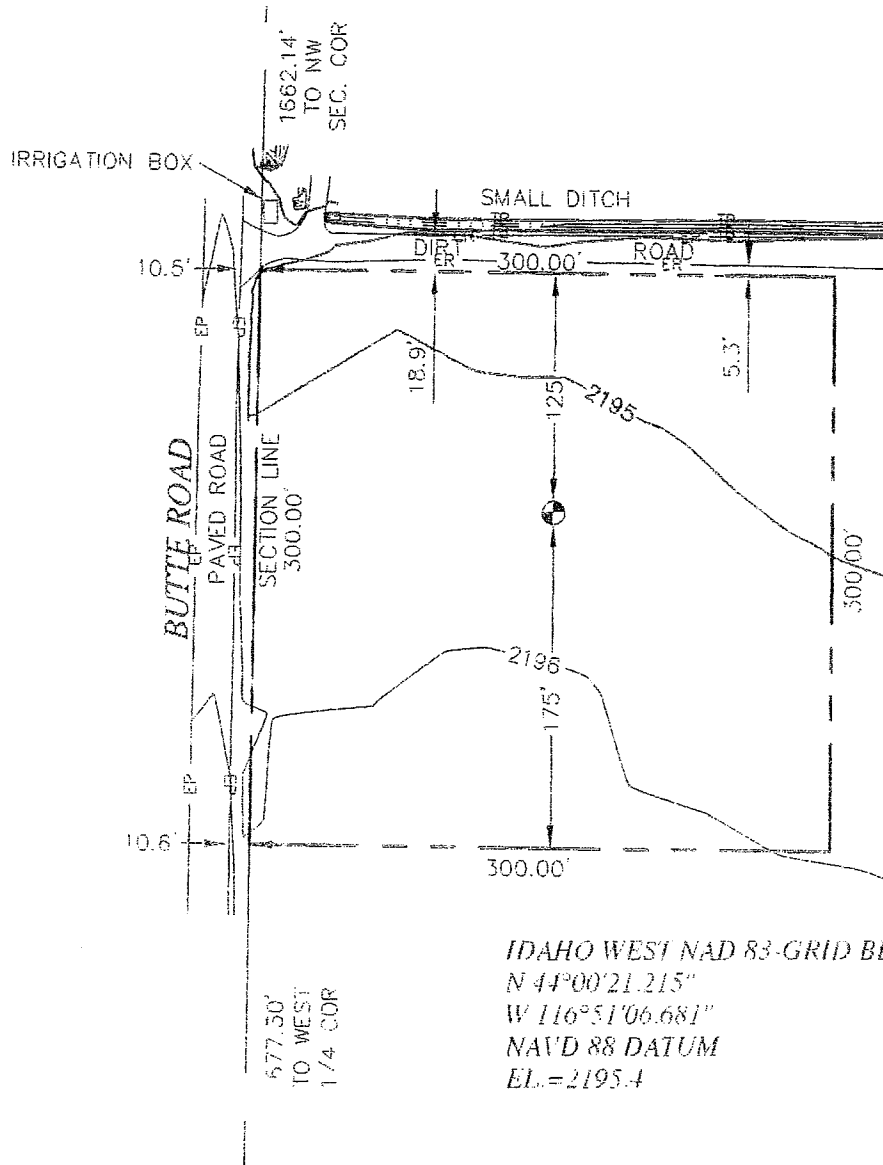
FILE: 0534-01--05 SECTION.dwg

ALS

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1103 West Main Street
Middleton, Idaho
208-585-5858

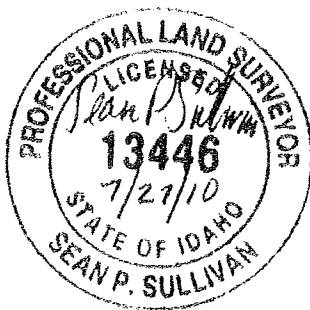
EXHIBIT MAP OF KNIEFEL 1-29 SITE

Lying in a Portion of the SW1/4 of the NW1/4 of
Section 29, Township 8 North, Range 4 West of the
Boise Meridian, Payette County, Idaho
2010



IDAHO WEST NAD 83 GRID BEARINGS
N 4°00'21.215"
W 116°51'06.681"
NAD 88 DATUM
EL. = 2195.4

SCALE: 1" = 100'

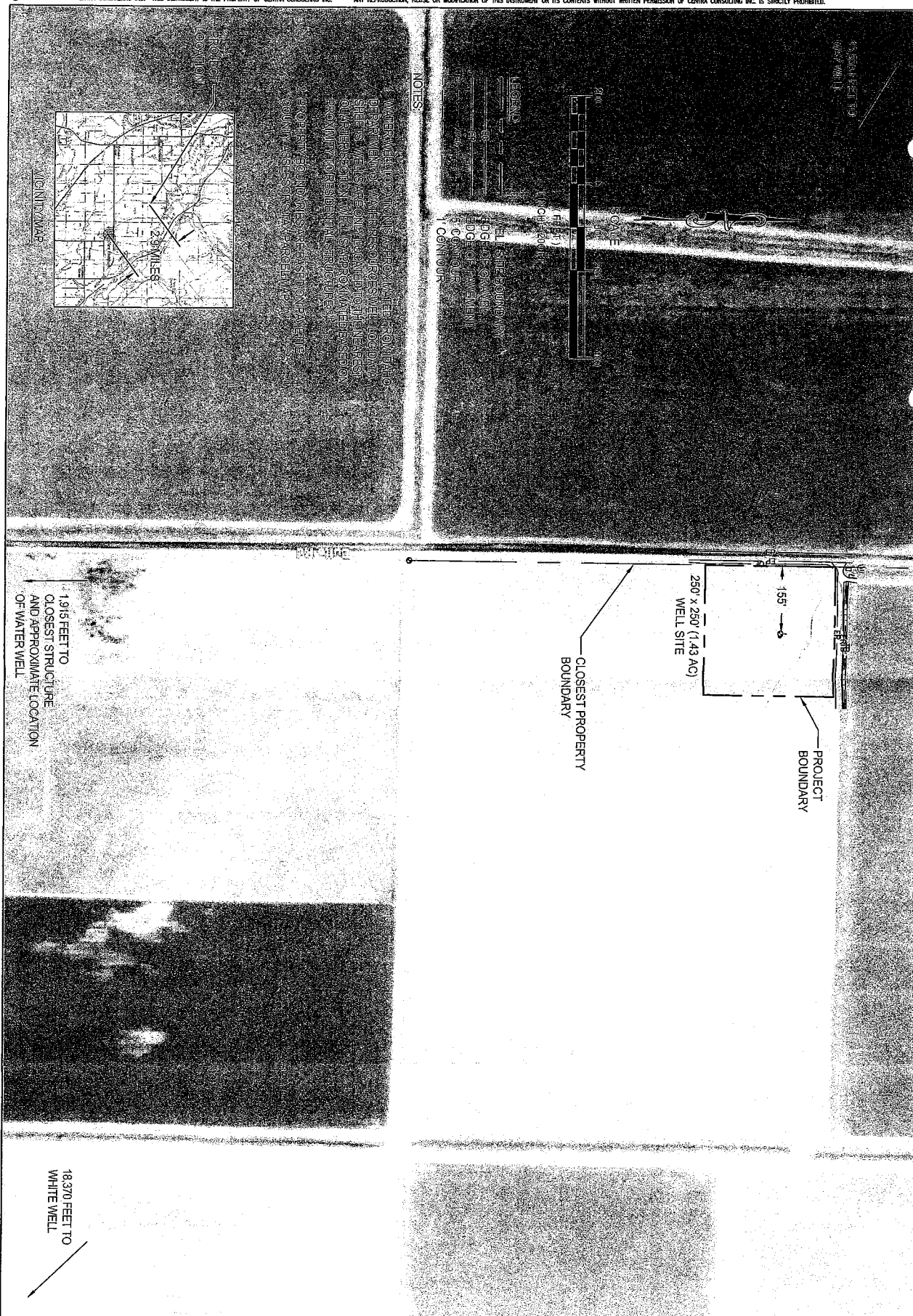


DATE: July 27, 2010

FILE: 0534-01-05 TOPO.dwg



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1103 West Main Street
Middleton, Idaho
208-585-5858



Reserve Pit

Plants
House

Pump #2

Pump #1

Water Tank

Ramp

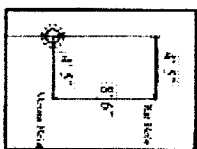
Cutwalk

Feed Tank

Generator

Junk Box

Sub Structure



1. Check area nearby for
other Rig X Fluid well water

2. Check fluid location for
other Rig X Fluid well water

TSWS, Inc.

Razorback Rig/ Location Plat

BRIDGE RESOURCES

Kniefel #1-29 WELLBORE DATA SHEET

LEASE:	Bridge Resources	TOTAL DEPTH:	7,000 ft
WELL:	Kniefel #1-29	SURFACE LOCATION:	N44-00-21.215"
LOCATION:	Sect 29/Township 8N/Range 4W		W116-51-06.681"
	Payette County	BOTTOM HOLE LOCATION:	N44-00-21.215"
SPUD DATE:	October		W116-51-06.681"
OBJECTIVE:	Columbia River Basalt	ELEVATION:	2,195.4ft
		ELEVATION(KB):	2,213ft

FORMATION EVALUATION	CASING SIZE (IN)	COMMENTS	HOLE SIZE (IN)	TVD	MUD WEIGHT (ppg)	FRACTURE GRADIENT (ppg)
16" Line Pipe-Welded	82ft	No FIT	25"	82ft	WBM 8.4	8.4
		Top of cmt-500ft	12 1/4"			
9 5/8"-36ppft-R111-J55-STC	600+ft	FIT		600+ft	SBM 8.8ppg	8.4
Mud Logging Each 10ft from 60ft Haliburton density,neutron,resistivity,sonic side wall cores			8 3/4"			
5 1/2"-17ppft-R111-J55-STC	7000		8 3/4"	7000ft	SBM 10.3	11.5

DRILLING PROGNOSIS
BRIDGE ENERGY, LLC
Kniefel # 1-29
SW/4 NW/4 of Section 29-Township 8N-Range 4W
Payette County, Idaho

August 26, 2010

GENERAL

NOTE: This well is to be drilled as a tight hole. Unauthorized personnel are not to be allowed on the rig floor, and all information is to be kept confidential.

Surface Location: 1786' FNL and 155' FWL (SWNW), Section 29-T8N-R4W

Bottomhole Location: Same

Proposed TD/Objective: TD 7000' / [REDACTED]

Elevation: 2,195.4' GL (ungraded); 2,213' KB (estimated).

Drilling Rig: WHS Razorback

MECHANICAL

Casing Design:

<u>SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>DESCRIPTION</u>	<u>SFt</u>	<u>SFc</u>	<u>SFb</u>
16"	0' - 82'	82'	Conductor (0.219" WT)	--	--	--
9-5/8"	0' - 600+	600+	36#, J-55, STC	21.9	8.18	7.04
5-1/2"	0' - 7,000'	7,000'	17#, J-55, STC	2.69	1.60	1.91
2-7/8"	0' - 7,000'	7,000'	6.5#, J-55, EUE	3.16	3.05	1.45

NOTE: If mud weight exceeds 10.0 ppg at TD, casing design may be altered. Clean and drift all strings of casing prior to running. Remove all thread sealant (Kindex) prior to running. Unload production casing and tubing strings with a forklift.

CEMENT

<u>CASING/HOLE SIZE</u>	<u>CEMENT SLURRY</u>	<u>SX</u>	<u>PPG</u>	<u>YIELD</u>
16" - 24"	Cement to surface with 4 yds Redi-mix.			
9-5/8" - 12-1/4"	Lead: Premium Light cement + 2% CaCl ₂ + 1/4 pps flocele Tail: Class G + 2% CaCl ₂ + 1/4 pps flocele	100	12.0	2.27
		100	15.8	1.15

NOTE: Precede cement with 50 bbl fresh water. Have 100 sx neat cement and one-inch tubing on location for topping-off. Cement volume has been calculated assuming 100% excess.

<u>CASING/HOLE SIZE</u>	<u>CEMENT SLURRY</u>	<u>SX</u>	<u>PPG</u>	<u>YIELD</u>
5 1/2" – 8 3/4"	Class G cement containing fluid loss additive, bonding agent, and retarder as required.	300	15.8	1.15

NOTE: Prior to cementing, slowly lower mud viscosity to 35-sec funnel viscosity. Circulate hole for 1 hour at this viscosity prior to cementing. Precede cement with 1000 gal mud flush and 30 bbl fresh water spacer. Cement top contingent upon the presence of potentially productive intervals. Actual cement volume to be determined from caliper log. Run pilot tests on proposed cement with actual make-up water. Cement design may be altered depending on actual bottomhole temperatures and the presence of lost circulation. Do not move the casing (under any circumstances) while setting the casing slips.

CEMENTING ACCESSORIES

- | | |
|--------------------|--|
| Surface Casing: | <ol style="list-style-type: none"> 1) Guide shoe with insert float located one joint above shoe. 2) Top wiper plug (rubber). 3) Centralizer with stop ring in middle of shoe joint. 4) Centralizers over collars on first three connections, omitting float collar. 5) Use a total of five centralizers. |
| Production Casing: | <ol style="list-style-type: none"> 1) Differential-fill float collar located one joint above differential-fill float shoe. 2) Top and bottom wiper plug. 3) Centralizer with stop-ring in the middle of shoe joint. 4) Centralize through and 100' on either side of potentially productive intervals. Run at least 12 centralizers. 5) Thread-lock all connections through float collar and use API casing dope on all remaining connections. 6) Stage cementing tool may be run to ensure placement of cement across any productive intervals and fresh water sands. 7) Centralize above and below stage cementing tool (if run). |

WELLHEAD

- | | |
|--------------|---|
| Casing Head: | 9-5/8" x 11" x 3,000 psi WP flanged casing head with two-2" LP outlets. Outlets equipped with one-2" 3,000 psi WP ball valve, and one-2" x 3,000 psi WP bull plug on the outlets. |
| Tubing Head: | 11" x 7-1/16" x 3,000 psi WP tubing head with two-2" LP threaded outlets. Outlets to be equipped with 2" x 3,000 psi WP ball valves. |
| Upper Half: | To be determined. |

MUD PROGRAM

<u>INTERVAL</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>WL (CCS)</u>
0' – 600+'	8.5 - 9.0 ppg	30 - 45 sec	NC

Surface hole will be drilled with SBM. Ensure all water sources are turned off at pits. Water from conductor will be displaced to D tank. Keep hole full and drill pipe moving at all times. Sweep hole with Super Sweep to insure the hole is clean prior to running surface casing.

<u>INTERVAL</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>WL (CCS)</u>
600+' – 2500'	8.5 - 9.8 ppg	28 - 34 sec	10 ccs or less

Reference SBM program for specific maintenance, product concentrations, and mud treatment. Keep hole full at all times. Monitor pit volume constantly as lost circulation and water flows should be expected at all times. Sweep hole as dictated by hole conditions. Ensure all MSD sheets are kept at wellsite.

Deviation tendencies in this area should not be severe; however, prudent drilling practices should be adhered to at all times. Surveys should be run at ± 500 ft intervals, unless otherwise indicated.

WELL CONTROL EQUIPMENT

<u>INTERVAL</u>	<u>EQUIPMENT</u>
0' – 600+'	None
600+' – 2500'	11" x 3,000 psi WP double-gate BOP with blind and 4-1/2" pipe rams. Rig should be equipped with upper and lower kelly cocks, as well as stabbing valve (have wrench available at all times). BOP equipment will be tested after nipple-up and every 30 days thereafter by an Independent Certified BOP Tester (Produced signed copies of BOP test charts to Idaho State representative) Close pipe rams daily and blind rams on trips, recording results on tour sheets. BOP Function Test

GEOLOGICAL

Geologist/Mud Logger:	Geologist and mud logger with hotwire and chromatograph to be on location from base of conductor casing to TD. Notify prior to spud and after setting surface casing.
Electric Logging:	Quad Combo (DIL-BHC Sonic-Density-Neutron) to be run from base of surface casing to TD. An imaging tool and a Magnetic Resonance tool may also be run. Percussion sidewall cores may be taken at the geologist's discretion

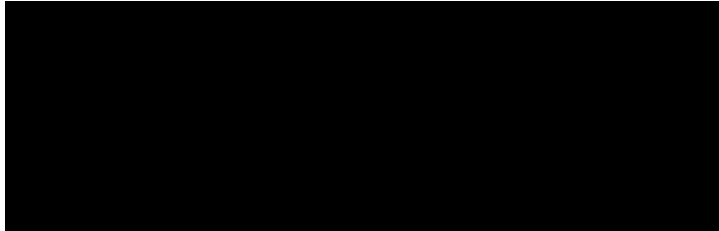
Drilling Prognosis
Hamilton Prospect
Kniefel #1-29

Page Four

GEOLOGICAL (Continued)

Formation Tops: Assumes KB elevation of 2,213 ft.

<u>FORMATION</u>	<u>DRILL DEPTH</u>	<u>SUB SEA</u>
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MISCELLANEOUS

1. Pump carbide lag prior to running surface casing and prior to drilling out shoe. Pump efficiencies will be calculated from this information. Run frequent carbide lags while drilling to determine degree of hole washout.
2. Monitor mud hydraulics closely. An in-gauge hole is extremely critical to achieve open-hole packer seats, interpretable logs, and a good cement bond.
3. Water will be hauled or pumped from nearby sources.
4. The area immediately around rig will be lined.
5. It is anticipated that a PDC bit will be used from approximately 600' to TD.
6. In general, the above prognosis is presented as a guideline only; and is subject to change as dictated by hole conditions and geological interpretation.

PERSONNEL

OFFICE NUMBER

CELL NUMBER

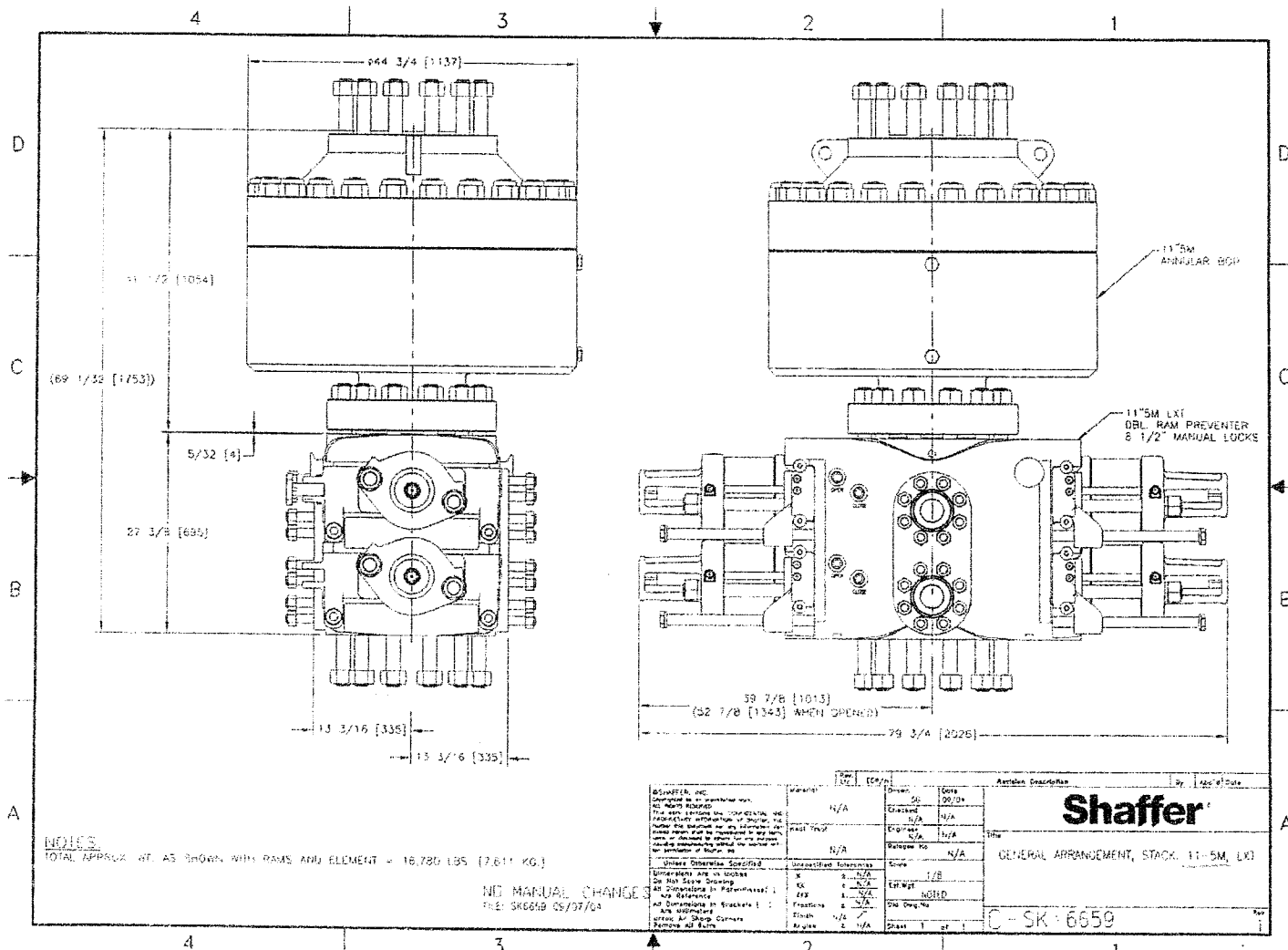
Ron Richards, Drilling Manager
Jeff Kirm, Manager of Operations
Ed Davies, President

303-831-9022
303-831-9022
303-831-9022

720-209-0207
303-981-7443
720-641-8737

Prepared by:

Ron Richards for Bridge Energy Inc.



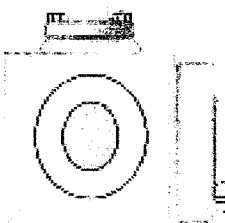
Also call for 11" SM LXI 8 1/2" MANUAL LOCKS

4 1/16" 5M X 2 1/16" 5M CHOKE MANIFOLD

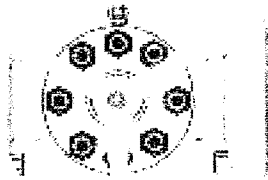


2 1/16" 5M GATE VALVE

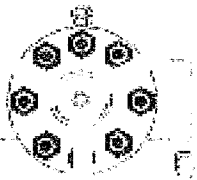
2 3/16" 5M SPACER SPOOL



CROSS, STD 5-WAY 4 1/16" 5M X 2 1/16" 5M



4 1/16" 5M GATE VALVE



4 1/16" 5M GATE VALVE



CHOK, 2 3/16" 5M FLX FL ADJ TC TRIM



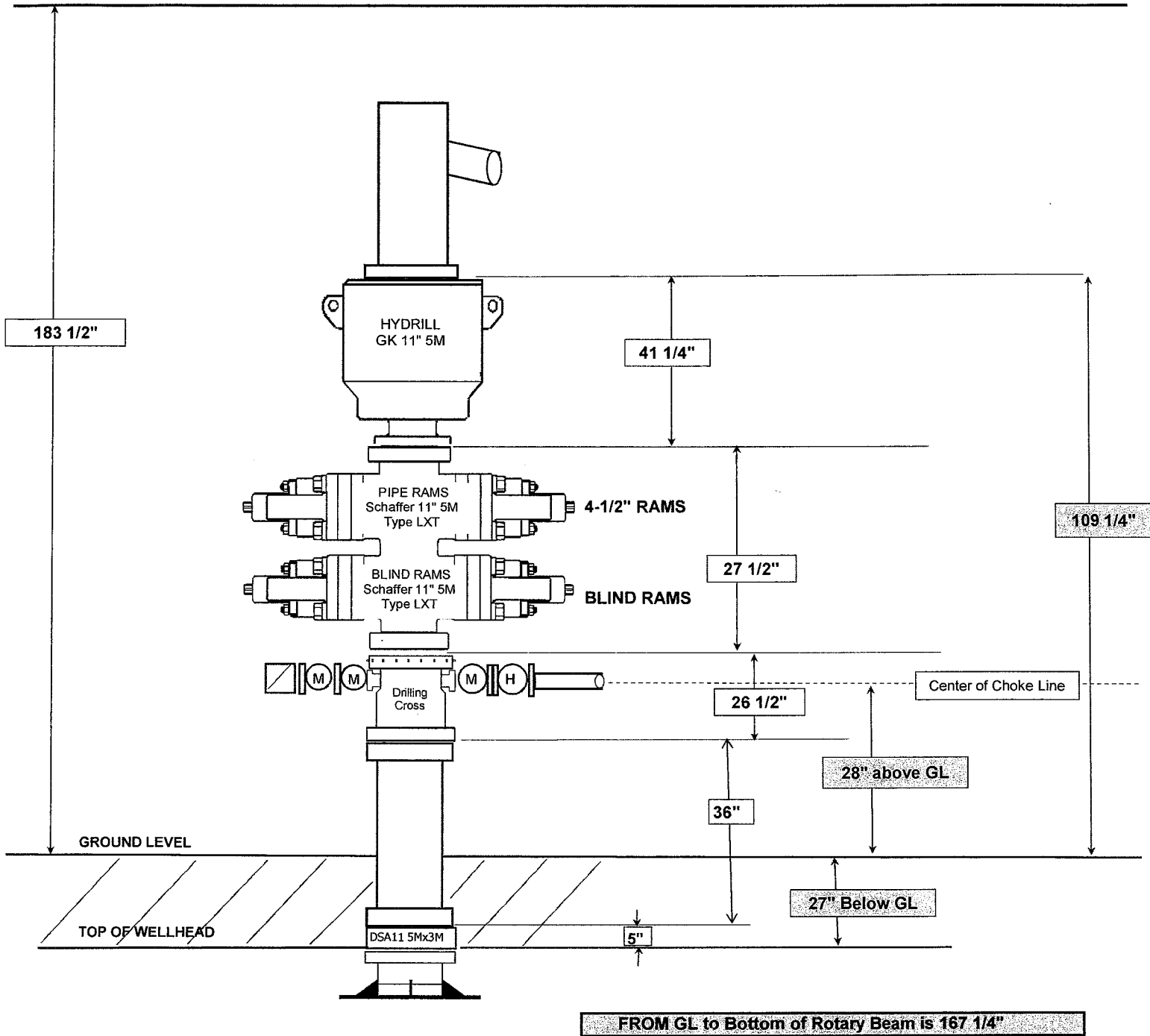
2 1/16" 5M GATE VALVE



WHS, LLC
BOP Schematic NU on Surface- Razorback Rig

RIG FLOOR

RIG FLOOR



08N04W295441

0089400000

WILMOT ANDREW

7248 BUTTE RD

NEW PLYMOUTH

ID 83655

Street #: 7248 BUTTE RD

08N04W199000

0013820000

HOLM DAVID W & SHARYL L

3223 NW 3RD AVE

FRUITLAND

ID 83619

Street #:

08N04W206000

0013840000

KNIEFEL ROBERT E & CAROLYN M

2375 CENTER AVE

PAYETTE

ID 83661

Street #:

08N04W208790

0013840030

VAN LEUVEN FAMILY TRUST

PO BOX 565

NEW PLYMOUTH

ID 83655

Street #:

08N04W292400

0014240000

KNIEFEL ROBERT E & CAROLYN M

2375 CENTER AVE

PAYETTE

ID 83661

Street #:

08N04W290000

0014240010

VAN LEUVEN FAMILY TRUST

PO BOX 565

NEW PLYMOUTH

ID 83655

Street #:

08N04W294800

0014250000

HAMANISHI FARMS INC

1905 NW 1ST AVE

FRUITLAND

ID 83619

Street #: 3584 NW 2 AVE

08N04W295401

0014280000

JOHNSON ALAN D

7236 BUTTE RD
NEW PLYMOUTH ID 83655
Street #: 7236 BUTTE RD

08N04W297200 0014290000

WANDER DOTSON FARMS INC
PO BOX 591
NEW PLYMOUTH ID 83655
Street #:

08N04W307200 0014440000

BARKER SCOTT FAMILY TRUST
3366 NW 2ND AVE
NEW PLYMOUTH ID 83655-5050
Street #: 3366 NW 2 AVE

08N04W301800 0014510000

GARDNER GLORIA
906 N 22 ST
BOISE ID 83702
Street #:

08N04W300000 0014540000

HOLM DAVID W & SHARYL L
3223 NW 3RD AVE
FRUITLAND ID 83619
Street #:

Grand Total: 12

from the Payette County Assessors Office

PAYETTE COUNTY
PLANNING AND ZONING
PUBLIC HEARING APPLICATION FOR CONDITIONAL USE, VARIANCE
(This is not a business license nor building permit)

Applicant:

Name Bridge Energy Inc.
Address 1580 Lincoln Street, Suite 1110
City Denver State CO Zip 80203
Telephone: 303.831.9022 Email Address jbw@bridgeresourcescorp.com
Mailing Address (If different) _____

Owner of Record:

Name Blaine May
Address 8029 Dutch Lane
City Payette State ID Zip 83661

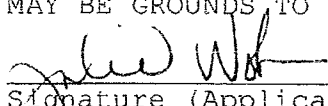
APPLICATION FOR: (Check One)

X Conditional Use for Drilling, Completion and Production Operations as an
Oil and Gas Well
____ Variance for _____

SITE INFORMATION:

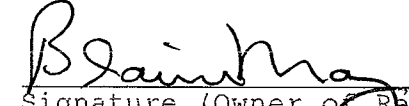
Location: Quarter NE__ Section 13 Township 8N Range 5W Total Acres 120
Site Address/location Well is located 820' FNL and 1461' FEL in the NWNE of Sec. 13
Acreage if part of total 1.5 acre well site Tax Parcel Number 08N05W130000
Existing Comp Plan Designation AG1 Existing Zoning AG

I VERIFY THAT I HAVE READ THE FOREGOING APPLICATION WHICH MAY INCLUDE ATTACHED INFORMATION. I HAVE PERSONAL KNOWLEDGE OF THE CONTENTS THEREOF, AND I SIGN THE APPLICATION UNDER PENALTY OF PERJURY. ANY INACCURACIES IN THE INFORMATION PRESENTED MAY BE GROUNDS TO REVOKE MY APPLICATION.



Signature (Applicant)

Jodie West, Manager Land



Signature (Owner of Record)

+++++
THE PURPOSE OF THE PAYETTE COUNTY COMPREHENSIVE PLAN INCLUDES THE NEED TO PROTECT PROPERTY RIGHTS, AGRICULTURAL LAND, WILDLIFE AND RECREATION RESOURCES, AS WELL AS TO ENCOURAGE URBAN TYPE DEVELOPMENT WITHIN INCORPORATED CITIES.

1. Does this land have an irrigation water right? Y
Number of shares? 262 If not, is irrigation water available? ____
Irrigation District? Lower Payette Irrigation District

2. Flood Plain area? NO

3. Surrounding Usages: Identify predominant land use with in 1/2 mile in each direction.

North	<u>AG1</u>	South	<u>AG1</u>
East	<u>AG1</u>	West	<u>AG1</u>